Product Overview

LV8105W: Three-Phase Brushless Motor Predriver for Variable Speed Control

For complete documentation, see the data sheet.

The LV8105W is a predriver IC designed for variable speed control of 3-phase brushless motors. It can be used to implement a high- and low-side output N-channel power FET drive circuit using a built-in charge pump circuit. High-efficiency drive is possible through the use of low noise PWM drive and synchronous rectifying systems.

Features

- Speed discriminator and PLL speed control system
- Integrated VCO
- Speed lock detection output
- Hall bias switch
- Braking circuit
- Integrated current limiting and lock protection circuits

Applications

- Computing & Peripherals

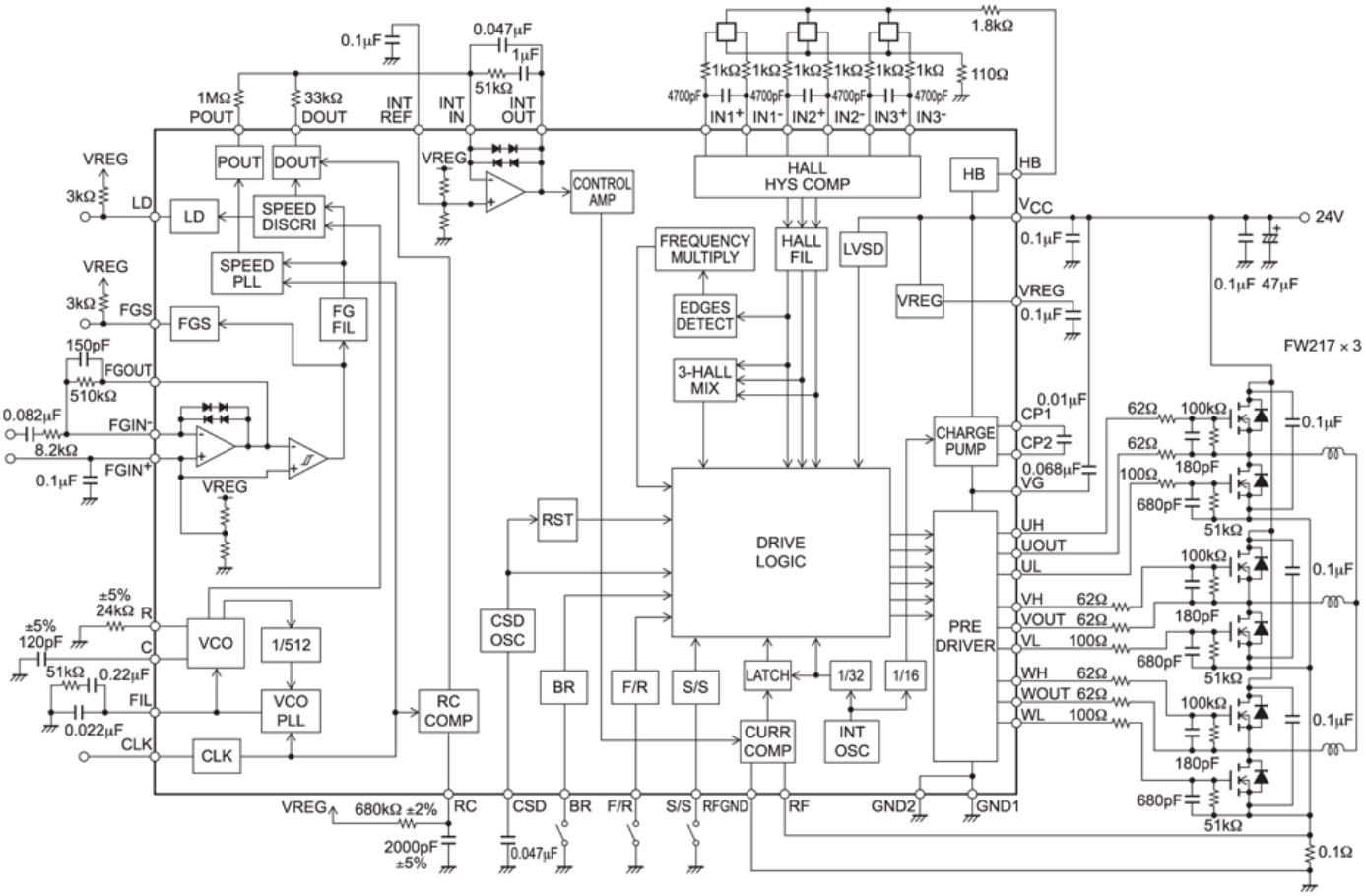
End Products

- Multi-Function Printer

Part Electrical Specifications

Product	Compliance	Status	Phase	V_M Min (V)	V_M Max (V)	V_{CC} Min (V)	V_{CC} Max (V)	I_O Max (A)	I_O Peak Max (A)	Control Type	Package Type
LV8105W-TLM-E	Pb-free	Active	3			16	28	0.015		Clock	SPQFP-48 / SQFP-48

Application Diagram



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